

Application No.: 10/637,206

Docket No.: MWS-029

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 16, line 25, ending at page 17, line 4 with the following amended paragraph:

In many instances, the dynamic system 20 will have a plurality of data modules connected therewith. The term "data module" as utilized herein refers a component or function that offers viewing, observing, displaying, gathering, and/or recording capabilities for different forms of data. The data module 28, 30 or 32 ~~29~~ generally serves as a collection and/or display vehicle for monitoring or measuring the operation of the dynamic system 20, or of a selected portion of the dynamic system 20. As illustrated, the dynamic system has a first data module 28 coupled with the input 22, a second data module 30 coupled with the system operation 24, and a third data module 32 coupled with the output 26. It should be noted that there can be any number of different data modules in communication with the dynamic system 20, including multiple data modules coupled with each component or portion of the dynamic system 20, as understood by one of ordinary skill in the art. Furthermore, the data modules are located in separate systems from the dynamic system 20.

Please replace the paragraph beginning at page 21, line 24, ending at page 21, line 28 with the following amended paragraph:

The controller 50 can further include a synchronizing function that acts to synchronize the control of each of the data modules and their corresponding data collection and display parameters. The synchronizing function can be activated by clicking on a scope link button 57. For example, when activated, the synchronizing function can implement any of the above-mentioned functions at all of the data modules coupled with the dynamic system 20, or with certain selected data modules, as desired.

Please replace the paragraph beginning at page 21, line 30, ending at page 22, line 7 with the following amended paragraph:

More specifically, and referring back to **FIG. 3** and **FIG. 4A**, a user selects the synchronizing function by clicking on a scope link button 57. The user then selects the snapshot

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function by clicking on a snapshot button ~~57~~53. The user can select the snapshot function to execute on the first data module 40 and the second data module 42, and then select the suspend function to execute on the third data module 44 and the fourth data module 46. One of ordinary skill in the art will appreciate that this particular configuration of snapshot and suspend functions is merely an example. Any of the functions can be executed at any or all of the data modules in the dynamic system 20, unless there is a conflict between the operation of the particular functions selected. The selection of functions, and their corresponding assignment to a particular data module, can be done either before the dynamic system 20 begins to operate (whether in real time or as a simulation) or dynamically while the dynamic system 20 is running.

Please replace the paragraph beginning at page 23, line 6, ending at page 23, line 17 with the following amended paragraph:

Additionally, ~~the review~~ the user can initiate the scroll function in the first data module 40 to review the data history made available by the snapshot function. Using the scroll function (scrolling back using a scroll bar, for example) on the first data module 40, results in not only a review of the data on the first data module 40, but also a simultaneous review is broadcast to other selected data modules, allowing the coordinated review of data recorded simultaneously at various points within the dynamic system. More specifically, the scroll function operating on the first data module 40 scrolls through data on the first data module 40. Simultaneously, the data on the second data module 42, the third data module 44, and the fourth data module 46 is also scrolled through. The display of data on each data module 40, 42, 44, and 46 corresponds to the same period in time, thus comparisons can be made between each of the data modules 40, 42, 44, and 46 at comparable time periods.

Please replace the paragraph beginning at page 21, line 28, ending at page 21, line 31 with the following amended paragraph:

In accordance with further aspects of the present invention, individual data modules can be configured to essentially ignore synchronization directives from the controller ~~205~~0. This achieves necessary flexibility for controlling which data modules act in which manner to collect data.